network Dyna**Hawk**™ NH820/720 Series

Full HD Speed Dome IP Camera

NH720/NH820 series Speed Dome IP Camera is most cost-effective 1080P Real-time speed dome product in the market. With up to 30x optical zoom lens options and defogging feature support, this model is able to deliver crystal clear image suitable for wide-area surveillance application.
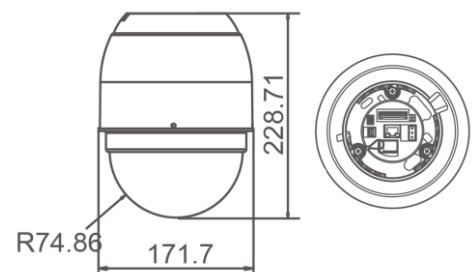
This model can offer simultaneous Quad Streams and Qual Codec, H.264 Baseline / Main / High Profile, MJPEG for various network applications via speeding or limited bandwidth.Compliance with ONVIF Test tool 14.06 and Profile S, this model is able provide fully compatibiloity to any VMS around the world. It can seemlessly connect to the backend system with universal ONVIF protocol.

With built-in heater and 60W PoE power source, this model is able to operate in extreme weather condition from -40°C to 50°C . IP66 International standard is also gurantee in this model for outdoor installation.
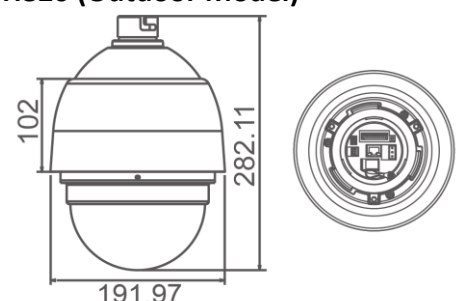
▐ Key Features

- Sony Progressive Scan CMOS Sensor
- Up to 30x Optical Zoom
- 10x Digital Zoom
- Wide Dynamic Range
- Dual Streams: 1080P @ 30fps + D1 @ 30fps
- Quad Streams Support
- Quad Codec:
- 2D Noise Reduction
- Defog function
- 802.3at 60W PoE+ Support for Heater Activation
- Weatherproof (IP66 International)*

NH720 (Indoor Model)

228.71
R74.86   171.7

NH820 (Outdoor Model)

102   282.11
191.97

Camera

Camera		NH820 18N1	NH820 20N1	NH820 30N1
Image Sensor			1/2.8" Sony Progressive CMOS	
Optical Zoom		18x	20x	30x
Digital Zoom			12x	
Day&Night			True Day&Night with ICR	
Wide Dynamic Range			Auto / Manual	
Focus Mode			Auto / Manual	
White Balance			Auto / Indoor / Outdoor / ATW / Manual	
Iris Control			Auto / Manual	
Electronic Shutter			1/1 ~ 1/10000 sec.	
AGC Control			Auto / Manual	
Backlight Compensation			On / Off	

Lens

Lens	NH820 18N1	NH820 20N1	NH820 30N1
Focal Length	4.7 ~ 84.6 mm	4.7 ~ 94 mm	4.3 ~ 129 mm
Min. Focus Length	1 m (Wide); 1 m (Tele)	1 m (Wide); 1 m (Tele)	1 m (Wide); 1.2 m (Tele)
F Number	F 1.6 (Wide); F 2.8 (Tele)	F 1.6 (Wide); F 3.5 (Tele)	F 1.6 (Wide); F 4.7 (Tele)
FOV	55.2° (Wide); 3.2° (Tele)	55.8° (Wide); 4° (Tele)	66.5° (Wide); 3.25° (Tele)

Operation

Operation		
Pan Travel		360° endless
Tilt Travel		-10° ~ 190°
Manual Speed		0.5° ~ 90°/s
Presets		256
Preset Accuracy		0.225°
Preset Speed		5° ~ 400°/s
Sequence		8
Auto Pan		4
Cruise		8
Privacy Mask		16
Proportional Pan & Tilt		On / Off (Pan and tilt speed proportional to zoom ratio)
Resume after Power loss		Support
Home Function		Preset / Sequence / Auto pan / Cruise
Auto Flip		Image / Mechanical / Off
Motion Detection		Motion Detection Window x 4 sets
Day / Night: IR Cut Filter		On / Off
Image Rotation		Flip / Mirror / Inverse
Defog		On / Off
Noise Reduction	2D	On / Off

Network

Network		
Networking		RJ-45, 1Gbps Ethernet
Video Compression		MJPEG / H.264 (MPEG-4 Part 10/AVC) Baseline / Main Profile / High Profile SVC
Video Stream	Single	H.264 / MJPEG
	Dual	H.264 + MJPEG / H.264 + H.264
	Multiple	H.264 x 4 / H.264 x 3 + MJPEG
Video Resolution		H.264/MJPEG - Full HD 1080P / SXGA / HD 720P / XGA / SVGA / D1 / VGA / CIF
Audio Compression		G.711 / G.726
Audio Stream		Two-way Audio
Protocols		IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, DNS, DDNS, NTP, PPPoE, UPnP, IGMP, SNMP, QoS, ONVIF, ARP
Security		HTTPS / IP Filter / IEEE 802.1x
Alarm	Input	4 Sets / 5V 10kΩ pull up
	Output	2 Set / Relay output, max. 2A DC 30V / 0.5A AC 125V
Alarm Reaction		Preset / Sequence / Auto Pan / Cruise
Micro SD		microSDHC 32GB Support
Supported Web Browser		Internet Explore (6.0+) / Chrome / Firefox / Safari
Password Levels		User and Administrator

General

General		
Environment		Indoor / Outdoor
Operating Temperature	Indoor	0°C ~ 40°C (32°F ~ 104°F)
	Outdoor	-40°C ~ 50°C (-40°F ~ 122°F)
Dimension	Indoor	Ø 171.7 x 228.7 mm (Ø 6.7 x 9 in.)
	Outdoor	Ø 191.9 x 282.1 mm (Ø 7.5 x 11.1 in.) w/ Sunshield
Weight	Indoor	1.6 kg (3.57 lb)
	Outdoor	2.3 kg (5.11 lb) w/ Sunshield
Power Source	Indoor	802.3at PoE+ (30W)/ AC 24V ± 10%
	Outdoor	802.3at PoE+ (60W)/ AC 24V ± 10%
Power Consumption	Indoor	24 W
	Outdoor	59.5 W (w/ Heater)
Regulatory		CE / FCC / UL / RoHS / IP66 (Outdoor)

* mark for optional items
Product specification and availability are subject to change without notice.